

第7章习题 编程题

代码编写如下：

```
#include <stdio.h>

struct ymd {
    unsigned short year;
    unsigned short month;
    unsigned short day;
};

unsigned short days(struct ymd date) {
    unsigned int result = 0;
    int day_month[12] = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
    for (int i = 0; i < date.month - 1; i++)
        result += day_month[i];
    result += (date.month > 2) && (date.year % 400 == 0 || (date.year % 100 != 0
&& date.year % 4 == 0));
    result += date.day;
    return result;
}

int main() {
    struct ymd date;
    printf("input year:");
    scanf("%d", &date.year);
    printf("input month:");
    scanf("%d", &date.month);
    printf("input day:");
    scanf("%d", &date.day);
    printf("result:%d\n", days(date));
    return 0;
}
```

运行结果如下：

运行: jjt x

▶ input year:2004

🔑 input month:3

■ input day:1

result:61



进程已结束,退出代码0

运行: jjt x

▶ input year:2005

🔑 input month:6

■ input day:1

result:152



进程已结束,退出代码0